XSTATIC PRO LIGHTING

X-240BAR RGB

240 RGB Chasing LED Color Bar Washer with Infrared Remote Control

CE RoHS

USER MANUAL

SAFETY INSTRUCTIONS:

CAUTION! READ BEFORE USE!

For your own safety, please read this user manual carefully before you initially power up your fixture.

- Examine packaging to ensure all parts included
- Disconnect all power and other cables prior to servicing
- Always make sure to provide adequate ventilation
- Keep this device away from rain and moisture!

POWER

Be sure you have the proper power cables for the fixture. A 120v cable with a Standard PC Power connector is required, and included with the unit. If the fixture expereiences a power failure, check the fuse located on the power input port.

CONNECTIONS

Remote control and linking is available via four operation modes: DMX 512 Control, Auto and Master/Slave, and Sound Active modes to form different led effects, and DMX-512 connection to connection between fixtures.

(Input and Output Ports seen here. See the DMX page for cabling details and Daisy-chaining specifics on Page 11).

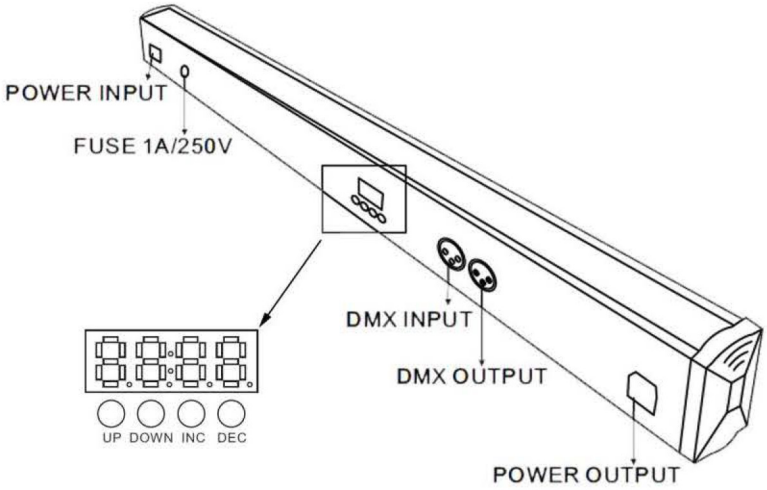
FEATURES:

- RGB Color Mixing
- Color Strobe Effect
- Color Mix Effect Programs
- LED Chases (Adjustable Speeds)
- Electronic Dimming 0-100%
- Operating Modes: Sound Active, Master / Slave, or DMX-512 Control Protocol
- DMX Channel modes: 2, 3, 4, 7, 14, or 26
- Digital Display for Address and Function Settings
- IR Remote Control

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

TECHNICAL SPECIFICATIONS:

- Voltage: 100V~240V, 50Hz~60Hz
- LEDs: Red x 96, Green x 72, Blue x 72
- Power Consumption: 36W
- Weight: 6 lbs / 2.6Kgs
- Dimensions: 42” x 3” x 3” / 1006mm x 76mm x76mm
- Colors: RGB Color Mixing
- DMX In and Out
- LCD Control Screen
- Beam Angle: 40 degrees

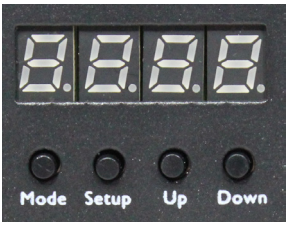


DMX Control and Chain Connections:
You can connect the DMX-output of a controller directly to the DMX-input of the fixture. If connecting mulitple units, be sure to use the proper cabling.

TERMINATION NOTE: These units are not self terminating. If the last fixture in the DMX chain will need to be terminated with a Terminator. (page 11)

MENU / CONTROLS:

SETUP MENU: You can easily setup and control your 240 RGB LED Bar from the on-board LCD screen. Using the MENU, SETUP, UP and DOWN buttons, you will find the following options to select and modify:



The Control Screen with MENU, SETUP, UP, and DOWN Navigation buttons.

LED DISPLAY OPERATION - These instructions will provide access to the setup and control of the DMX light.

1. AUTO MODE

Press the MODE button until AUTO displays on the Menu screen. The fixture comes with 24 built-in programs titled PR.02 - PR.24 where the user can set the operation speed and strobe speed. The presets will run in loop until stopped.

CHOOSING COLORS:

To select a Static Color, press the MODE button until you see PR.01. Then using SETUP and UP or DOWN buttons to choose betwen colors.

For setting the Operation Speed you can scroll through SP.01 to the highest speed at SP.FL (1-100). Press SETUP again to control the Strobe Speed from F500 to F599.

2. BUILT-IN PROGRAM SELECTION

You can access several levels of programs and different styles by setting the program number, then pressing SETUP button to select programming options.

To acces the pre-saved programs, press the MODE button until you see PR.01. Then use UP or DOWN buttons to choose betwen programs titled PR.02 - PR.24. When in the selected program number, pressing SETUP again allows you to set the Operation Speed. You can scroll through SP.01 to the highest speed at SP.FL (1-100). Press SETUP again to control the Strobe Speed from F500 to F599.

MENU OPTIONS CONT'D:

3. DIMMING MODE

Press the MODE button until COLR displays on the Menu screen. Then repeatedly pressing the SETUP button will scroll through 4 selections, RED (R), GREEN (G), and BLUE (B). Each of the R, G, and B selections have 0-255 levels of dimmer.

Optional	Operation instruction
r.255	R LED dimming, throught UP or DOWN adjust the brightness value (0—255) of R LED
9.255	G LED dimming, through UP or DOWN adjust the brightness value(0--255) of G LED
b.255	B LED dimming , through UP or DOWN adjust the brightness value(0--255) of B LED

4. SOUND MODE - This menu will let you navigate and select your desired Sound Mode settings.

Press the MODE button until SU.20 displays on the Menu screen. The menu will display the parameters SU.00 - SU.31. indicating the level of sensitivity of the Microphone (default is 20). Pressing + or - will allow the user to set the level of Sound sensitivity of the light fixture.

5. DMX MODE

Press the MODE button until d.001 displays on the Menu screen.

The DMX Channel can be selected by pressing the UP and DOWN buttons and selecting d.001 - d.512. By default, the fixture uses a 2 Channel Configuration.

More DMX Channel configurations can be used by pressing the SETUP button and selecting either 2-ch, 3-ch, 7-ch, or 14-ch, or 26-ch. The following pages contain Control Charts for each channel mode.

Note that this fixture has DMX Auto Detection, so regardless of any other Mode setting, if there is DMX signal present, it will automatically turn on it's DMX Mode. When DMX is no longer present, the fixture returns to previous Mode setting (infrared remote control also disabled when in DMX Mode).

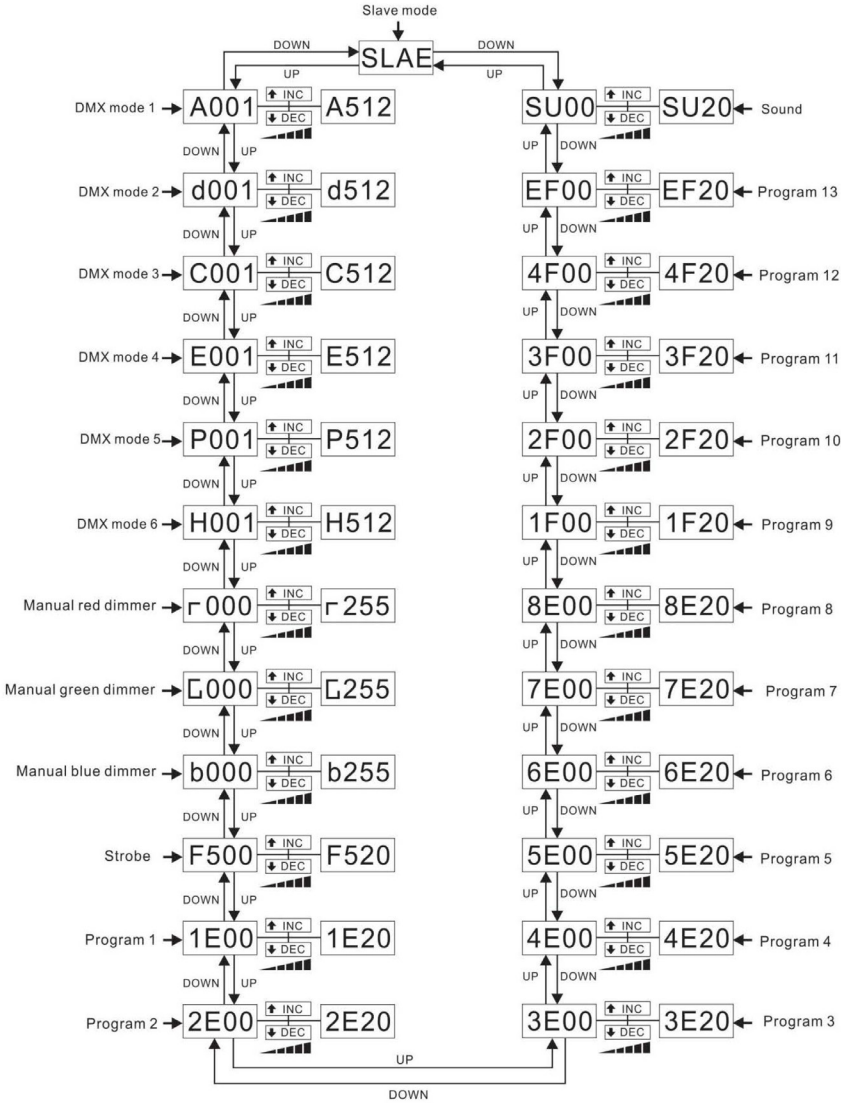
6. MASTER/SLAVE MODE

Press the MODE button until SLAV displays on the Menu screen. The fixture will be slaved to which ever lead device is being controlled. Each fixture acts as a Master when not in Slave Mode.

SLAVE MODE MENU MAP

7. SLAVE MODE MENU OPTIONS

This MENU MAP details DMX setting options to access preset programs.



8. RESTORE FACTORY SETTINGS

When fixture is off, press the MODE and SETUP buttons at the same time and hold while turning the fixture power on. Hold the buttons until rSEt displays and flashes on the Menu screen.

DMX CHANNEL MODES SETUP

DMX Mode 1 (2 Ch. Control) [A001]

CH1			CH2
NO.	DMX value	FUNCTION	SPEED
1	0-11	OFF	SPEED 0-255
2	12-23	Red	
3	24-35	Green	
4	36-47	Blue	
5	48-59	Yellow	
6	60-71	Purple	
7	72-83	Cyan	
8	84-95	White	
9	96-107	PROGRAM01	
10	108-119	PROGRAM02	
11	120-131	PROGRAM03	
12	132-143	PROGRAM04	
13	144-155	PROGRAM05	
14	156-167	PROGRAM06	
15	168-179	PROGRAM07	
16	180-191	PROGRAM08	
17	192-203	PROGRAM09	
18	204-215	PROGRAM10	
19	216-227	PROGRAM11	
20	228-239	PROGRAM12	
21	240-251	PROGRAM13	
22	252-255	Sound Mode	Sensitivity 0-255

DMX Mode 2 (3 Ch. Control) [D001]

CH1	CH2	CH3
R	G	B
0-255 dimming	0-255 dimming	0-255 dimming

DMX Mode 3 (4 Ch. Control) [C001]

CH1	CH2	CH3	CH4
R	G	B	Master dimmer
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming

DMX CHANNEL MODES SETUP

DMX Mode 4 (14 Ch. Control) [E001]

CH1	CH2	CH3	CH4	CH5	CH6	CH7
R	G	B	R	G	B	R
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming
CH8	CH9	CH10	CH11	CH12	CH13	CH14
G	B	R	G	B	flash	Master dimmer
0-25 5 dimming	0-25 5 dimming	0-25 5 dimming	0-25 5 dimming	0-25 5 dimming	0-255 Flash freque ncy	0-25 5 dimming

DMX Mode 5 (7 Ch. Control) [P001]

CH1	CH2	CH3	CH4			CH5	CH6	CH7
R	G	B	NO.	DMX value	FUNCTION	SPEED	FLASH	Master dimmer
0-255 dimming 0=OFF	0-255 dimming 0=OFF	0-255 dimming 0=OFF	1	0-11	OFF	SPEED 0-255	0-4 OFF	0-255 dimming (0=OFF)
			2	12-23	Red		FLASH 5-255	
			3	24-35	Green			
			4	36-47	Blue			
			5	48-59	Yellow			
			6	60-71	Purple			
			7	72-83	Cyan			
			8	84-95	White			
			9	96-107	PROGRAM01			
			10	108-119	PROGRAM02			
			11	120-131	PROGRAM03			
			12	132-143	PROGRAM04			
			13	144-155	PROGRAM05			
			14	156-167	PROGRAM06			
			15	168-179	PROGRAM07			
			16	180-191	PROGRAM08			
			17	192-203	PROGRAM09			
			18	204-215	PROGRAM10			
			19	216-227	PROGRAM11			
			20	228-239	PROGRAM12			
			21	240-251	PROGRAM13			
			22	252-255	Sound Mode	Sensitivity 0-255		

DMX Mode 6 (26 Ch. Control) [H001]

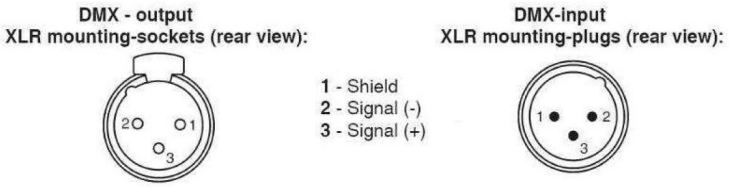
CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8	CH9
R	G	B	R	G	B	R	G	B
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming
CH10	CH11	CH12	CH13	CH14	CH15	CH16	CH17	CH18
R	G	B	R	G	B	R	G	B
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming
CH19	CH20	CH21	CH22	CH23	CH24	CH25	CH26	
R	G	B	R	G	B	flash	Master dimmer	
0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 dimming	0-255 flash 0=OFF	0-255 Light 0=OFF	

DMX SETUP CONTROL:

DMX-512 connection between fixtures

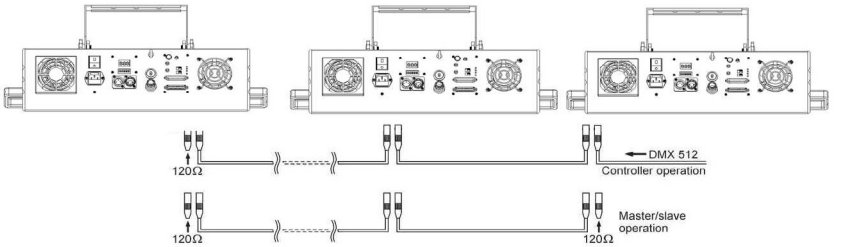
The fixture is equipped with 2-pin XLR sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted-pair cable designed for 3-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

Occupation of the XLR-connection



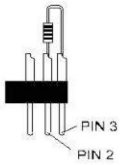
Building a serial DMX-chain

Assembling a DMX Chain is as simple as connecting two more more fixtures with DMX In/Outs with the proper DMX specific 3-pin XLR-style cables.



NOTE: The last or final fixture in the DMX chain MUST have a terminator plug. A terminator is an XLR type plug that does not connect to a cable.

MAKE A TERMINATOR:



[To make Terminator; solder a 120 resistor between Signal (–) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.]

DMX SETUP:

Linking Master/Slave preprogrammed function

By linking the units in master/slave connection, the first unit will control the other units to give an automatic, sound activated and synchronized light show. This function is good when you want an instant show. Its DMX input jack should have nothing plugged into it, and its master LED will be constantly on with the sound LED flashing to the music. Scroll through the digital display and select any of the 13 auto modes on the master unit. On the other units that you wish to use in slave mode, scroll through the display and select slave mode. Each slave unit that follows after the master should have its input jack plugged into the output jack of the previous unit.

DMX512 Connection

The DMX512 is widely used in intelligent lighting control, with a maximum of 512 channels.
1. If you using a controller with 5 pins DMX output, you need to use a 5 to 3 pin adapter-cable.
2. At last unit, the DMX cable has to be terminated with a terminator. Solder a 120 ohm 1/4W resistor between pin 2(DMX-) and pin 3(DMX+) into a 3-pin XLR-plug and plug it in the DMX-output of the last unit.
3. Connect the unit together in a `daisy chain` by XLR plug from the output of the unit to the input of the next unit. The cable cannot be branched or split to a `Y` cable. DMX512 is a very high-speed signal. Inadequate or damaged cables, soldered joints or corroded connectors can easily distort the signal and shut down the system.
4. The DMX signal is able to pass through each fixture continuously, so if one fixture in the chain is out of order, all the fixtures after this point will not be affected.
5. Each lighting unit needs to have an address set to receive the data sent by the controller. The address number is between 0-511 (usually 0 & 1 are equal to 1).
6. The end of the DMX512 system should be terminated to reduce signal errors.
7. 3 pin XLR connectors are more popular than 5 pin XLR.
   3 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+)
   5 pin XLR: Pin 1: GND, Pin 2: Negative signal (-), Pin 3: Positive signal (+), Pin4/5: Not used.

Troubleshoot

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, and there is no light

Check power and main fuse.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if it is linked properly.
2. If the DMX LED is on and there is no response to the channel, check the settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or on PCB of the unit or the previous one.
4. Try to use another DMX controller.
5. Check in the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. Some units don't respond to the easy controller

1. You may have a break in the DMX cabling.
2. Check the LED for the response of the master / slave mode signal.

D. No response to the sound

1. Make sure the unit that does not receive DMX signal.
2. Check microphone to see if it is good by tapping the microphone.
3. Sensitivity is too low, check and set it higher.

E. The lamp is cutting out intermittently

The lamp is not working well. Check the main voltage it may be either too high or too low.

CARE:

Cleaning

The cleaning of internal and external housing can be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

- Clean with soft cloth using normal glass cleaning fluid.
- Always dry the parts carefully.
- Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

IR REMOTE CONTROL:

9. INFRARED REMOTE OPTIONS

Your fixture comes with an Infrared Remote Control. This requires aiming the remote forward and at the face of the light in order to send it your selections.

The remote has two sections of control, settings and colors. Each has the associated selection the light will enter upon pressing. They are described here:

BLACK OUT	All LEDs to On or Off state
AUTO	Auto/Demo Mode
SOUND	Sound Reactive Settings
STROBE	Flash On/Off and Freq. Settings
SPEED	Rate at which Colors Change
SENSITITY	Level of Sound Reactivity
%	Used for the Dimming Percentage
MANUAL	Sets Manual Color Mode
FADE | SNAP	Fades to Next Color, or Black
+ / -	Increase or Decrease Selection

As described earlier in this manual, **AUTO** and **SOUND** modes are selected and then navigated with the + or - buttons to make program selection.

Selecting **STROBE, SPEED,** or **SENSITIVITY** while the light is in AUTO or SOUND Modes will adjust those settings under the currently chosen Preset Program.

The **%** button is used to set the dimming level of the selected color, usually used with a **MANUAL** button sequence.

Pressing the **MANUAL** button and a sequence of numbers will select various settings. These are described on the next page.

FADE/SNAP allows the user to force a color change, but as a fade effect.

IR REMOTE CONTROL:

On Buttons 0-9, the LEDs will display the associated colors when selected.

0	1	2	3	4	5	6	7	8	9
White	Red	Amber	Yellow1	Green	Cyan	Blue	Purple	Pink	Yellow2

DIMMING MODE

By selecting MANUAL and then a Color Button labeled with either R, G, or B, you can create your own color mix by increasing or decreasing the value of that single color. These buttons are outlined on the remote in the form of an upside-down “T” shaped box. Pressing + or - will increase the brightness.

Press the button “MANUAL”, then press down “R”, “G” or “B” or “2” to enter dimming mode. Press “0”~“9” buttons in turn, enter a number value between 0-100. Press the “%” button again, to confirm the number is the percentage of the color. For example, press the “MANUAL” + “R” + “5” + “0” + “%” in turn, set the red LED brightness is on at 50%.

NOTE
The numbered buttons are used as the number, like “2”, or a color like “Amber” allows the buttons to have two functions. Press the “MANUAL” button and next press a number button, it is only equivalent to it’s color, like “Amber”. If press “2” button in other time, is equivalent to press “2” numeric button. For example: Press the “MANUAL” + “2” + “5” + “0” + “%” in turn, set the Amber led brightness is 50% dimmed.

10. RESTORE FACTORY SETTINGS

Pressing BLACK OUT, then 9, 8, and 7 will reset the fixture to default factory settings.

Find your dealer on our website to ask about more innovative products from…

XSTATIC PRO LIGHTING

ProX Live Performance Gear

901 Essex Street, Brooklyn, NY 11208
Tel: (718) 237-2299, Fax: (718) 237-2318
Email: info@xstaticusa.com

(NO DIRECT SALES, DEALERS AND DISTRIBUTORS ONLY)

Please Register your product warranty on ProXDirect.com,
submit your testimonials and setup photos to our website,
& Tag us on your social media websites.
#proxdirect